Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/11/2016 09:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124860	-1	1.81	124728	1.78
Blue	F	SSC	125000	124064	-1	3.44	124438	3.18
Blue	E	FITC	22946	22384	-3	2.41	994	9.82
Blue	D	PE	28770	28289	-2	2.00	1015	9.42
Blue	B	PerCP-Cy5-5	51099	50428	-2	3.39	1446	16.20
Blue	A	PE-Cy7	42312	41887	-2	5.04	643	34.63
Red	C	APC	52169	51779	-1	2.87	2984	9.26
Red	A	APC-Cy7	56705	56100	-2	2.87	1164	11.13
Violet	B	V450	14708	14039	-5	4.13	675	9.83
Violet	A	V500	58608	56697	-4	3.82	2517	6.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19645	4.85	602	4	N/A	N/A	Pass
Blue	F	SSC	61614	2.02	532	14	N/A	N/A	Pass
Blue	E	FITC	113	37.93	537	6	0.0231	208	Pass
Blue	D	PE	222	27.20	533	7	0.1678	199	Pass
Blue	B	PerCP-Cy5-5	227	43.71	629	7	0.0112	135	Pass
Blue	A	PE-Cy7	71	115.31	677	6	0.0126	15	Pass
Red	C	APC	347	27.49	592	2	0.0217	107	Pass
Red	A	APC-Cy7	127	40.07	576	0	0.0057	1650	Pass
Violet	B	V450	81	49.94	467	8	0.0412	2748	Pass
Violet	A	V500	183	30.63	496	8	0.0127	2156	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.57	-30.98	0.86
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	16.41	13.27 - 19.91	N/A	N/A	31.05	31.59	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10445

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments